UNIVERSITY OF TWENTE.

Testing-Security by Design Checklist

Team ID: 15	Team Members: Hieu Chu, Cuong Bui, Rudolfs Neija, Cenk Dogruer, Carlo Britto
Project Name: Earthquake Detector	Mentor(s): Maxim Rosca, Vithursika Vinasiththamby

Instructions:

1. Refer to the below table. All the mentioned points are mandatory to perform for your application except point no. 4.

2. You should consider atleast 2 vulnerabilities for each criteria given in Column 'B', except point no. 4, 6, and 7.

3. The mitigation plan/solution should be considered for every identified vulnerability.

4. Make sure to review the document with your team members and mentor(s) before final submission.

5. This checklist should be in lined and submitted along with the Software Testing document.

Points	Source Code Review, Static and Dynamic Application Testing	Identified Vulnerabilities for testing (Name them)	Put tick ✓ (if you have completed all the points as mentioned in Column 1.	Remarks, if any
1	Application security vulnerabilities (e.g. Access Control, Injection, Authentication, Cross Site scripting, etc.)	SQL Injection, XSS scripting Users gaining access to other users Go to the dashboard without logging in User stay logged in after timeout	✓	
2	Weak security in functions (e.g. old encryption techniques, Hashing, Privileges assigned, Function error, etc.)	Plain password is present in database Hashed passwords are reversable	✓	
3	Duplicate/unnecessary functions	The functions are not modular Multiple functions have the same purpose	✓	
4	Analyzing Program (e.g. computation time, power consumption, etc.) **(Optional)**	The graph takes up a reasonable resource for optimal performance	✓	
5	Address the remaining vulnerabilities of your application (manual)	User is not redirected after login User can access dashboard after logout	✓	
6	Make a mitigation plan/solution by listing down the vulnerabilities	-		
7	Review with your team members and approve by your mentor(s).	-		

Team members reviewed: (Hieu Chu, Yes), (Cuong Bui, Yes), (Rudolfs Neija, Yes), (Cenk Dogruer, Yes), (Carlo Britto, Yes)

Mentor(s) reviewed and verified: (Maxim Rosca,   ), (Vithursika Vinasiththamby,   )

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